listings, or claims in the application.

1. (currently amended) An isolated Nurr1 gene, or a functional fragment or variant thereof, which gene, fragment or variant includes one or more mutations resulting in the encoding or one or more amino acid sequence changes in the product encoded by the gene, fragment or variant, which changes are selected from the group consisting of Met97Val (M97V), His103Arg (H103R), Tyr121del (Y121del) and Tyr122del (Y122del), and ~~wherein the mutation(s) in the gene, fragment or variant is/are~~ linked to ~~schizophrenia and/or manic depressive illness which changes result in impaired binding of the mutated~~ gene product to NurRE with consequent reduction of ability to effect transcriptional activity.

2. (previously presented) The gene, fragment or variant according to ~~claim 1, which~~ comprises the exons of the Nurr1 gene.

3. (previously presented) The gene, fragment or variant according to claim 1, which comprises exon 3 of the Nurr1 gene.

4. (previously presented) The gene, fragment or variant according to claim 1, which comprises a mutation resulting in the encoding of the amino-acid-sequence-change Met97Val.